

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Cancel claims 1-32 without prejudice or disclaimer.

33. (new) An electronic commerce transaction audit system comprising:

a plurality of electronic notarize means, connected to each other via a network, for uniformly stamping time on all exchange messages between electronic commerce transaction entities to record and store said stamped time, and said electronic notarize means vie with each other to take a mutual notarization of said all exchange messages recorded and stored;

transaction log collect means for automatically collecting all exchange messages notarized and recorded by said plurality of electronic notarize means and for verifying reliability of said all collected exchange messages, whereby determining an event occurred in the entire network area;

log analyze means for comparing the event occurred in the entire network area and verified and determined by said transaction log collect means with an event grasped in advance and to be generated in the entire network area, whereby auditing conformity with specifications on the electronic commerce transaction between the respective electronic commerce transaction entities;

cumulative estimation control means for recording said audit result obtained by said log analyze means to be associated with an identifier of each electronic commerce transaction entity;
and

audit information service means, when there is a provision request for audit information that has specified said identifier of electronic commerce transaction entity, for extracting said audit result recorded to be associated with the corresponding identifier from said cumulative estimation control means so as to provide the extracted audit result as audit information.

34. (new) The electronic commerce transaction audit system according to claim 33, further comprising:

log analyze means for obtaining time that elapses before a response message is returned after receiving a request message in connection with the event occurred in the entire network area and verified and determined by said transaction log collect means, whereby auditing a respond reaction ability of each electronic commerce transaction entity; and

log analyze means for calculating a frequency of occurrence of an abnormal response in connection with the event occurred in the entire network area and verified and determined by said transaction log collect means, whereby auditing an abnormal response processing ratio of each electronic commerce transaction entity.

35. (new) An electronic commerce transaction audit system comprising:

a plurality of electronic notarize means, connected to each other via a network, for uniformly stamping time on all exchange messages between electronic commerce transaction entities to record and store said stamped time, and said electronic notarize means vie with each other to take a mutual notarization of said all exchange messages recorded and stored;

transaction log collect means for automatically collecting all exchange messages notarized and recorded by said plurality of electronic notarize means and for verifying reliability

of said all collected exchange messages, whereby determining an event occurred in the entire network area;

log analyze means for obtaining time that elapses before a response message is returned after receiving a request message in connection with the event occurred in the entire network area and verified and determined by said transaction log collect means, whereby auditing a respond reaction ability of each electronic commerce transaction entity;

cumulative estimation control means for recording said audit result obtained by said log analyze means to be associated with an identifier of each electronic commerce transaction entity; and

audit information service means, when there is a provision request for audit information that has specified said identifier of electronic commerce transaction entity, for extracting said audit result recorded to be associated with the corresponding identifier from said cumulative estimation control means so as to provide the extracted audit result as audit information.

36. (new)An electronic commerce transaction audit system comprising:

a plurality of electronic notarize means, connected to each other via a network, for uniformly stamping time on all exchange messages between electronic commerce transaction entities to record and store said stamped time, and said electronic notarize means vie with each other to take a mutual notarization of said all exchange messages recorded and stored;

transaction log collect means for automatically collecting all exchange messages notarized and recorded by said plurality of electronic notarize means and for verifying reliability of said all collected exchange messages, whereby determining an event occurred in the entire network area;

log analyze means for calculating a frequency of occurrence of an abnormal response in connection with the event occurred in the entire network area and verified and determined by said transaction log collect means, whereby auditing an abnormal response processing ratio of each electronic commerce transaction entity;

cumulative estimation control means for recording said audit result obtained by said log analyze means to be associated with an identifier of each electronic commerce transaction entity;
and

audit information service means, when there is a provision request for audit information that has specified said identifier of electronic commerce transaction entity, for extracting said audit result recorded to be associated with the corresponding identifier from said cumulative estimation control means so as to provide the extracted audit result as audit information.